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Governor



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DIVISION OF ENVIRONMENTAL HEALTH
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State Health Laboratory

533-6146
January 19, 1983

RECEIVED
JAN 20 1983

DIVISION OF
OIL, GAS & MINING

Mr. Claude Thormalen
Union Carbide Corporation
Metals Division
Urivan, CO 81436

RE: Hecla Shaft
Wastewater Pond

Dear Mr. Thormalen:

The enclosed State Health Laboratory analyses 825406 is of a sample taken from the Hecla Shaft wastewater pond near LaSal Junction Utah on November 3, 1982. The following values would exceed state standards for the adjacent wash tributary to Kane Canyon Creek which is classified 3C and 4.

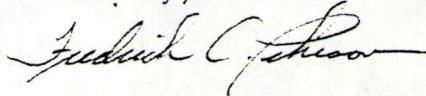
	<u>Sample 825406</u>	<u>Standard</u>
Gross alpha, pci/l	236	15
Gross beta, pci/l	127	50
Radium 266, pci/l	80	5

These values indicate water quality of significantly lower quality than the March 1980 data when the shaft was being drilled. According to our files, Union Carbide has not submitted an application for a wastewater system as required by law. Therefore, we request that Union Carbide submit plans and design criteria to this office by February 22, 1983. The information must provide details on the existing system flow rate, pond volume, pond construction, freeboard, dike slope, soil classification, and groundwater quality and depth.

Claude Thormalen
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Your immediate attention to submitting this information will be appreciated. For your information, we are enclosing Parts I, II, III, and VI of the Wastewater Disposal Regulations. You may also contact Steve McNeal of this office at the above number if you have any questions.

Sincerely,



Fredrick C. Pehrson, P.E., Chief
Permits and Compliance Section
Bureau of Water Pollution Control

SRM:laf

cc: Division of Oil, Gas & Mining - Sandy Pruitt
Southeastern Utah District Health Dept.

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